FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0226.3US	SERIAL NO. Not Yet Known
	APPLICANT Bultan et al.	
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DV.	*AA	5 7 3 7 3 6 2	04/1998	Hyun et al.			
	*AB	5 7 6 8 3 2 3	06/1998	Kroeger et al.			
	*AC	5 8 3 2 0 2 3	11/1998	Latva-aho, Matti			
	*AD	6 2 0 1 8 2 8	03/2001	El-Tarhuni et al.			
DV.	*AE	6 2 0 5 1 6 7	03/2001	Kamgar et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DV.	*AF	Floyd M. Gardner, Interpolation in Digital Modems-Part I; Fundamentals IEEE, Transactions on Communications, Vol. 41, No. 3, Pages 501-507, March 1993.
DV.	*AG	Gardner et al., Interpolation in Digital Modems-Part II: Implementation and Performance, IEEE Transactions on Communications, Vol. 41, No. 6, Pages 998-1008, June 1993.
DV.	*AH	Lim et al., Analysis of Decimator-Based Full Digital Delay-Locked PN Code Tracking Loops for Bandlimited Direct-Sequence Spread-Spectrum Signals in AWGN, IEICE Transactions on Communications, Vol. E00-A, No. 1, January 1998.

EXAMINER	DATE CONSIDERED
DV	8/29/05

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DV.	*AI	3 GPP TSG RAN, UE Radio Transmission and Reception (FDD), 3G TS 25.101, V3.2.0, March 2000.
DV.	*AJ	Latva-aho et al., Quasi-Coherent Delay-Locked Loops for Fading Channels.
DV.	*AK	Jack K. Holmes, Coherent Spread Spectrum Systems, John Wiley and Sons Inc., Pages 475-481 and pages 80-81, New York, 1982.
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	APPLICANT Bultan et al.	
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		Gardner, "Interpolation in Digital Modems - Part I: Fundamentals," IEEE Transactions on Communications, Vol. 41, No. 3, March 1993, pp. 501-507.
		Erup et al., "Interpolation in Digital Modems - Part II: Implementation and Performance," IEEE Transactions on Communications, Vol. 41, No. 6, June 1993, pp. 998-1008.
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		3GPP, "UE Radio Transmission and Reception (FDD)," Technical Specification Group Radio Access Networks, 3G TS 25.101, V3.2.0 (2000-03), 1999.

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		~~Latva-aho et al., "Quasi-Coherent Delay-Locked Loops for Fading Channels."~~
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